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HIGH EFFICIENCY KLEIN COIL

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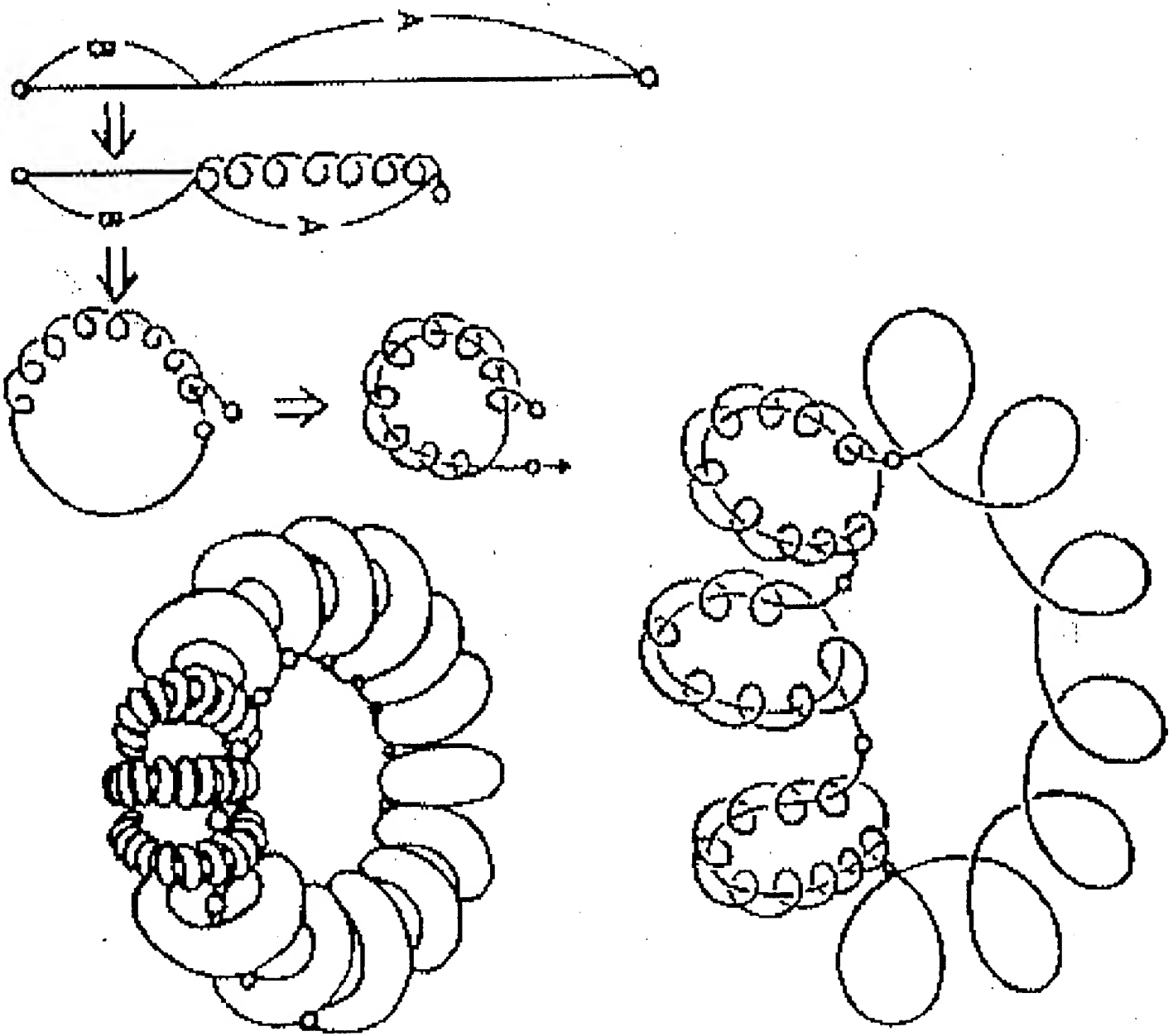
Abstract

PURPOSE:To efficiently induce the component of a magnetic force in a lead in a method of winding a Klein coil by equalizing the number of turns of the coil to that of Mobius windings.
CONSTITUTION:In a device utilizing a complex imaginary electromagnetic field, a Mobius winding Klein coil is employed as an imaginary electromagnetic field generator, in which a conductor is wound in a ring at each turn. This new type Klein coil is manufactured by forming a coil state A in which one end of the lead of one turn is wound in the ring, its linear part B is inserted thereinto to form one turn, and the coils of the number of turns to complete a whole Klein coil. In this case, connecting points are slightly deviated, and twisted a plural of times of an odd number in one endless solenoid circle.



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AB - PURPOSE:To efficiently induce the component of a magnetic force in a lead in a method of winding a Klein coil by equalizing the number of turns of the coil to that of Mobius windings.

- CONSTITUTION:In a device utilizing a complex imaginary electromagnetic field, a Mobius winding Klein coil is employed as an imaginary electromagnetic field generator, in which a conductor is wound in a ring at each turn. This new type Klein coil is manufactured by forming a coil state A in which one end of the lead of one turn is wound in the ring, its linear part B is inserted thereinto to form one turn, and the coils of the number of turns to complete a whole Klein coil. In this case, connecting points are slightly deviated, and twisted a plural of times of an odd number in one endless solenoid circle.

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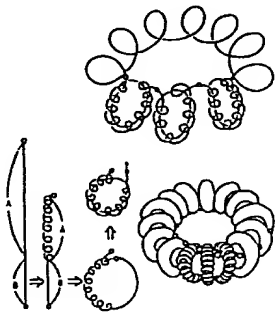

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